MATERIAL MANAGEMENT PROCESS
presentation for
PEO Ships PARM Summit

June 2004

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Material Manager

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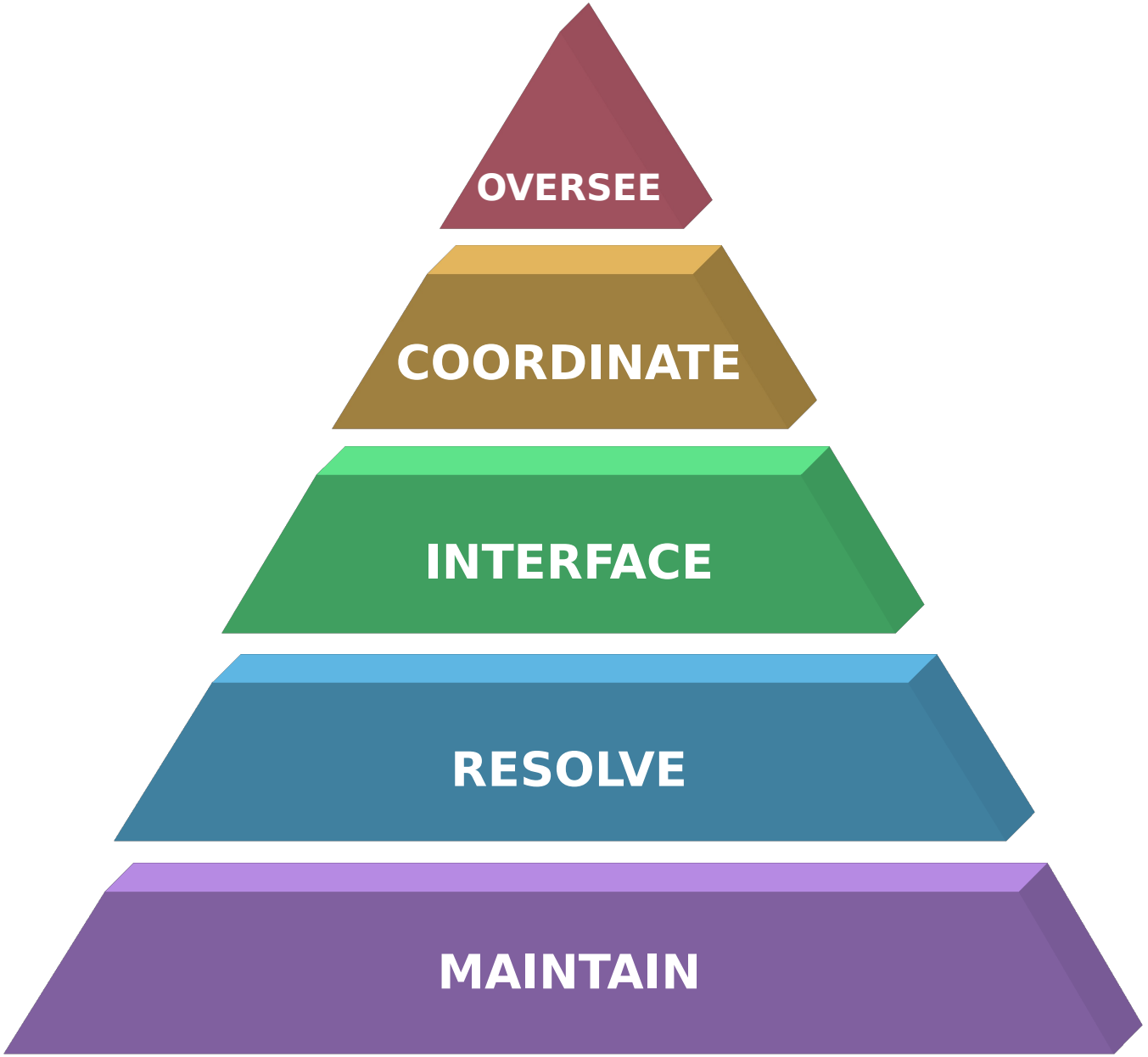
Material Manager's Responsibility



Material Management Process

- **OVERSEE:** PY kitting/BOM program as well as CCE for the Private Planning Yards and Funding as Required
- We manage availability material requirements from JCF/SAR/DWGs to install. Requirements identification, procurement and delivery for installation. The entire process, this includes ensuring NDE updates and kitting
- **COORDINATE:** All Material Management actions and activities, i.e., supply system requirements, HSC PARMs. Coordinate status to availability manager, executing/planning activity persons, PY kitting, NDE updates, NAVICP/DLA
- **INTERFACE:** All areas impacting material – BTR/TRP/NDE meetings, spec reviews, SARs, 4720/3 reviews, availability planning reviews, and availability baseline planning meetings
- **RESOLVE:** Resolve problems in all areas prior to SOA. Troubleshoot during avails. Put procedures in place to avoid repetitive problems
- **MAINTAIN:** NDE integrity, accuracy. Timely and accurate configuration material and delivery

Agenda

- Material Manager Responsibility
- Material Support Requirements
- SHIPALT Material Requirements Development
- Material Status Development Process
- Availability Planning Baseline Meetings
- HSC Status Report
- GFM SHIPALT Material Summary (4720/3)
- NDE Maintenance
- Availability Support

Material Manager Responsibility

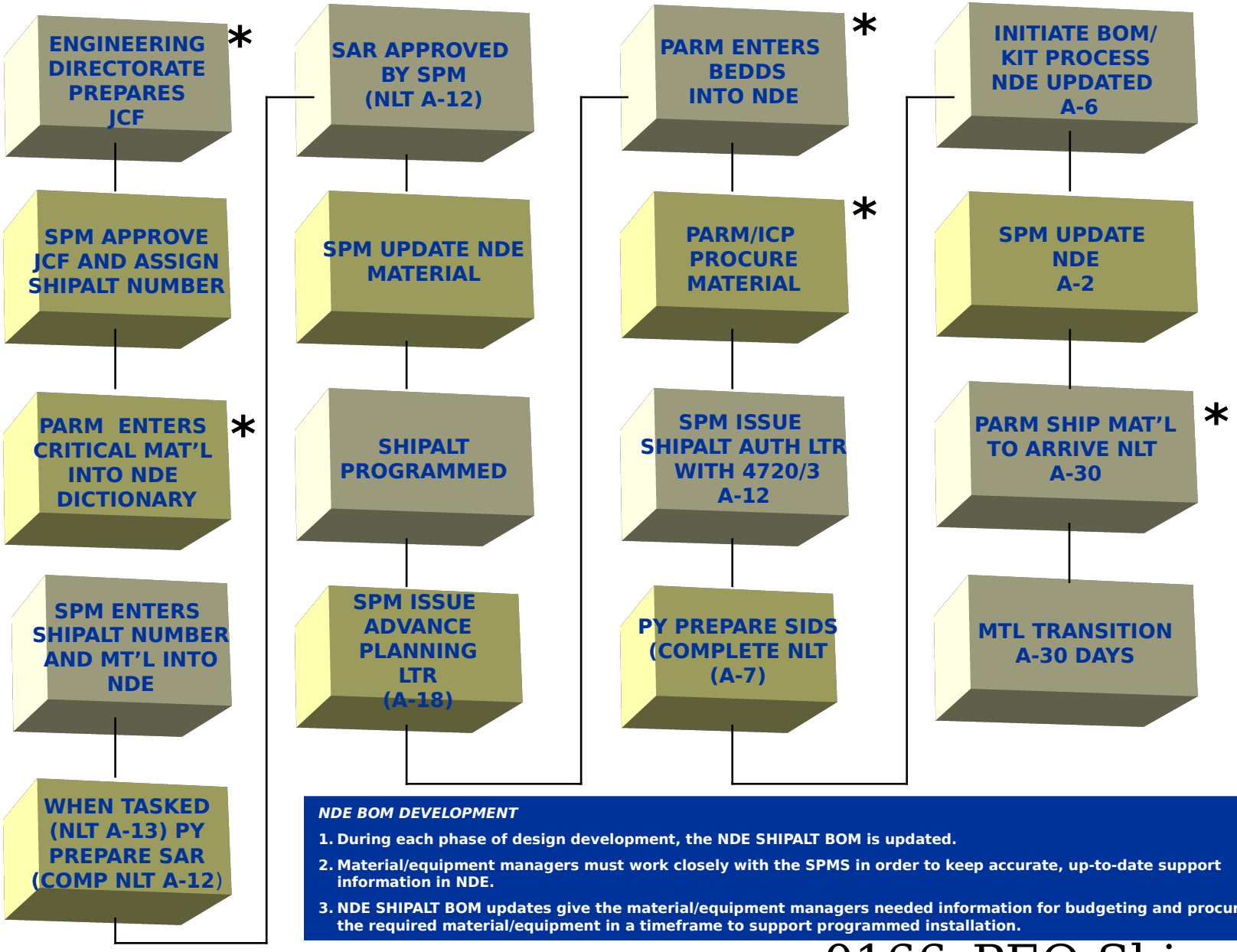
IAW Section 7 (Material Management) of the FMP Manual (Rev 2, 18 Jun 2002)

- **Oversee And Coordinate Title "K" SHIPALT Equipment/Material Support For CNO Scheduled Availabilities**
  - **Establish procedures which ensure accurate material identification, configuration and standardization**
  - **Resolve emergent material problems in a timely manner to support Shipalt installs during availability industrial periods**
  - **Interface with Participating Acquisition Requirements Managers (PARMs), Planning Yards, field activities, industrial activities, Hardware Systems Commands, NAVICP and DLA, as well as commercial entities to coordinate delivery of Government Furnished Material (GFM)/Equipment, to ensure optimum support and avoid delay and disruption of CNO Availabilities**

Material Support Requirements

- **Coordinate delivery schedules of all required equipment/material utilizing:**
  - **NDE for supply system forecasting and status reporting**
  - **The Availability Planning B/L Review - provides risk status (Red, Yellow, Green) for each of the SHIPALTs in the availability package, concerning funding, design, ILS and equipment/material support**
  - **The 4720/3 is the GFM list of material developed from ship drawing BOM**
  - **The Advance Planning Letter and Authorization Letter to verify planned/programmed SHIPALTs**
  - **HSC Status Reports for HSC tracking, material status and validation of requirements**
  - **Provide status to the Availability Managers to assist in management of availabilities**
  - **Troubleshoot prior to and during availabilities**
- **Meetings**
  - **Attend meetings that are related to planning, procurement and execution of ship alterations: PY Program Reviews, weekly phone conferences with PYs, OSTRs,quarterly BOM/KIT meetings, weekly Availability Management meetings for status of AOE/ARS/AS/LCC/LHA/LHD/LPD/ LSD/MCM/MHC/CG/DD/DDG/FFG material. 25% Availability Reviews, CG Modernization Quarterly Reviews**

SHIPALT Material Requirements Development


ENGINEERING DIRECTORATE PREPARES JCF *
SPM APPROVE JCF AND ASSIGN SHIPALT NUMBER
PARM ENTERS CRITICAL MAT'L INTO NDE DICTIONARY *
SPM ENTERS SHIPALT NUMBER AND MT'L INTO NDE
WHEN TASKED (NLT A-13) PY PREPARE SAR (COMP NLT A-12)
SAR APPROVED BY SPM (NLT A-12)
SPM UPDATE NDE MATERIAL
SHIPALT PROGRAMMED
SPM ISSUE ADVANCE PLANNING LTR (A-18)
PARM ENTERS BEDDS INTO NDE *
PARM/ICP PROCURE MATERIAL *
SPM ISSUE SHIPALT AUTH LTR WITH 4720/3 A-12
PY PREPARE SIDS (COMPLETE NLT (A-7)
INITIATE BOM/ KIT PROCESS NDE UPDATED A-6
SPM UPDATE NDE A-2
PARM SHIP MAT'L TO ARRIVE NLT A-30 *
MTL TRANSITION A-30 DAYS

NDE BOM DEVELOPMENT

1. During each phase of design development, the NDE SHIPALT BOM is updated.
2. Material/equipment managers must work closely with the SPMS in order to keep accurate, up-to-date support information in NDE.
3. NDE SHIPALT BOM updates give the material/equipment managers needed information for budgeting and procuring the required material/equipment in a timeframe to support programmed installation.

NDE Maintenance

- **NDE Material Data Base Maintenance**
  - **Perform continuous maintenance monitoring of NDE material records – NDE is used to forecast requirements for the Defense Supply System material procurement and to notify NAVSEA, NAVAIR and SPAWAR PARMS of required (HSC) equipment**
  - **NDE updates are performed as drawings are completed (A-11 last Ship/A-6 and A-2)**
  - **Review NDE BOM entries – work with PY, NAVICP and PARMS for entry of all equipment/material requirements. The NDE material dictionary has to be updated by the PARMs in order for the equipment/material to be added into the NDE BOM by the SPM**
  - **PARM enters HSC delivery dates into NDE**
  - **Review the NDE BOM to validate and status all requirements**

Material Status Development Process

- Review Advance Planning Letters
- Review Authorization Letters
- Review NDE Supply System Status
- Review PARM installation plans in NDE
- Request Installation Planning Schedules from PARMs
- Request documentation of material delivery
- Monthly Avail Status Meetings
- Prepare HSC Status Report for:
  - PEO SHIPS Availability Managers, Ship Manager, Waterfront Ship Superintendents, PARMs, Planning and Execution Activities
- Kitted Material Status is Provided by the Private Planning Yards

Availability Planning Baseline Meeting (Provide Material Status)

The Availability Planning Baseline meeting is held once a month for each class PEO Ships (CG, DDG, DD, FFG, AOE, ARS, AS, LCC, LHA, LHD, LPD, LSD, MCM, MHC)

- **Review the Availability Planning Baseline work package**
- **Review NDE**
- **Contact 90+ PARMs for installation schedules**
- **Incorporate PARM schedule into pre-Availability Planning Baseline package**
- **Contact PARMs to confirm schedules as required**
- **Provide status to the ship managers to assist them in determining installation risk (Red, Yellow, Green)**

Sample HSC Status Report

Sent: Tuesday, May 25, 2004 2:07 PM

To: John Eghtessad
Cc: Joe Gallagher; Le Vo; Tom Rudy; Mike Anderson; Mark Lunn; Reavis, Jacquelyn L (X-NAVSEA); Wittig, Joseph M; Gallipo, Les.k; Brown, Nancy A;

Subject: HSC Equipment Status for DDG 66 RAV 04

The following is the HSC Equipment Status for DDG 66 RAV 04 (SOA: 12-Jul-04):

S/A 00331K - TRDF
PARM: Joe Gallagher - PMW 189 - (619) 524-7366
INITIAL (25-MAY-04): HSC material is green. Email from PARM 19 May 04 states intent to install SHIPALT 331K on board DDG 66 during her July 04 availability.

S/A 00363K - EHF FOT
PARM: Tom Rudy - PMW 176-4 - (619) 524-7965
INITIAL (25-MAY-04): HSC material is green. Email from PARM 13 May 04, indicated all material will be at site by A-30 for an AIT installation.

S/A 00396K - B-600/LB-615 PRINTER REPLACEMENT
PARM: Le Vo - NSWC-PHD - (805) 228-7404

INITIAL (14-MAY-04): HSC material is green. Le Vo confirms via e-mail that HSC material is ready for shipment when required; AIT installation is planned two weeks prior to ALO.

S/A 00400K - TDMA INTERFACE PROCESSOR PARM:
Tom Rudy - PMW 176-4 - (619) 524-7965
INITIAL (25-MAY-04): HSC material is Red. Email from PARM 13 May 04 confirms that during the remainder of FY 04 SHIPALT 400K will not be installed on any DDG platforms.

Respectfully,
J. Reavis
Material Manager
PEO SHIPS FC12
(202) 781-2194

Each Item will Contain A Color-Code Statement to

Represent Material Availability (Green, Yellow, Red)

HSC Status Report Notional Milestones

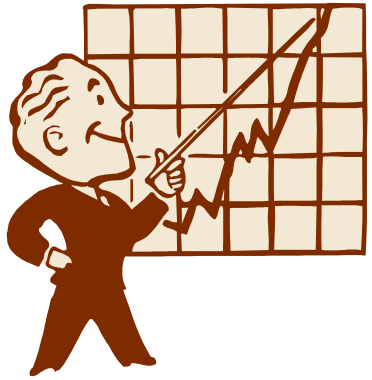
- **OCONUS Availabilities**
  - **Yokosuka A-5 months prior to SOA***
  - **Sasebo**
  - **Bahrain**
  - **Pearl Harbor Availabilities A-4 months prior to SOA***
- **CONUS Availabilities A-3 months prior to SOA***

** First report is per this schedule, then subsequent reports are delivered mont until all material is delivered to the availability.*

Ship Alteration Material Summary (4720/3)

The Bill of Material (BOM) on the SHIPALT Installation Drawings (SIDs) is an all inclusive list of material necessary to install a SHIPALT

- **The 4720/3 is derived from the BOM on the SIDs. A 4720/3 is a list of the Government Furnished Material (GFM) that is being provided to the Contractor by a Government activity or designated rep. It provides material identification, sourcing and status to the planning and executing activities. As the SIDs are completed and this list changes, the 4720/3 is updated to reflect the most current requirements**
- **The 4720/3 identifies:**
  - **The list of GFM Material being provided**
  - **Full description and quantity**
  - **Includes system "consisting of data" as applicable**
  - **Drawing and item (piece number)**
  - **Source and point of contact for each item**
  - **APL / Applicable stock number/part number and model**
  - **Best Estimated Delivery Dates**
  - **Expanded Procurement Sources**



4720/3 Review Responsibilities

- Receive 4720/3 from Planning Yard 30 days after drawings completed
- Review 4720/3 to QA HSC Material List and obtain status if different from, or not in NDE
- Forward 4720/3 to ISEA/PARM for comment/concurrence
- Receive ISEA/PARM comments
- Update HSC Material List
- Forward ISEA/PARM comments to Planning Yard

This Process Captures HSC Material Delivery/Tracking Requirements and Avoids the Risk of Duplicate Material Procurement

Sample 4720/3

DATE: 01/22/04 — SHIP ALTERATION MATERIAL SUMMARY (4720/3) — REPORT ID: 4720/3
ISSUE/SUPPL — GOVERNMENT FURNISHED MATERIAL — SHIPALT-PAGE: 11 — REPORT PAGE: 100
A-6/UPDATE — CG54 USS ANTIETAM SRA04

SHIPALT: 00661 TYPE K FY: 04 UIC: 21387 NSA: SSD START 06/02/04 COMPLETE: 08/04/04
WINDOWS NT COTS ORTS

EXPANDED SOURCE	ITEM DESCRIPTION/ SIZE/ MFG. PART NO./ SYMBOL NO.	ITEM NUMBER	MATERIAL SPEC/MATL REQ BUSHIP DRAWING/ NATIONAL STOCK NUMBER/ RIC - APL	MATERIAL COMMENTS	QTY UM	RDD/BEDD REMARKS
DRAWING: 491-7492747		REV: -				
PMS400B3D3	SET, DATA TERMINAL	LSN: ORTS-000-0004 000001 LINE: 00023 ORTS-000-0004 CAT: 030889			5 EA	04/02/04 GFM, POC D. COLE (703) 602-7090 SHIP TO AIT
PMS400B3D3	ENCLOSURE, MEDIA CONVERTER	LSN: ORTS-000-10010 000002 LINE: 00024 ORTS-000-10010 CAT: 030894	NAVSEA (53711)		5 EA	04/02/04 GFM, POC D. COLE (703) 602-7090 SHIP TO AIT
PMS400B3D3	PRINTER, LASERJET HP 8150N C4267A	LSN: C4267A 000003 LINE: 00025 CAT: 030886	HEWLETT-PACKARD CO (28480) OR EQL 9Z7025-01-456-0446		1 EA	04/02/04 GFM, POC D. COLE (703) 602-7090 SHIP TO AIT

INGALLS SHIPBUILDING WAREHOUSE 221 CENTRAL RECEIVI
ATTN: W. J. BOARD - COSAL WAREHOUSE

Requires Line By Line Manual Review By FC12 Support To Develop HSC Material Requirements

NDE Version of 4720/3

4720 MATERIAL SUMMARY REPORT

DATE : 07 JUN 2004
TIME : 12:50 PM

START DATE: 26 MAY 2004 **FINISH DATE:** 28 JUL 2004

SHIP: MHC 0062 USS SHRIKE **UIC :** 22180 **AVL:** DPMA
ACT'Y:

ASM SRC COG MATERIAL ID SMIC PLT QREQ UI QINS QREM ACQNUM MILSTRIP
DESCRIPTION CEACH AAC ORDER DATE BEDD RCVD DATE RDD
SID NUMBER SMS ITEM SID PC NUMBER NNPN QREQ
REQ NUMBER REQ QREQ
ALT TYPE: SA C/O I.D. C/O QREQ C/O DESCRIPTION
ALT NUM: 00154 K INC: 00 FY: 2004 IBOM: 3
ALT BRIEF: GPS ANTENNA GROUNDPLANE

SPM COMMENTS: POC: Melissa Lagerquist P?MW-156-91 melissa..lagerquist@navy.mil (619)524-2764
GPS Antenna System (GAS) 1 (GP)
CONSISTING OF: AS-382OC/AR 1 ANTENNA ELECTRONICS
AS-3821A/ARK 1 CONTROLLED RECP PATERN ANT

Availability Support

COORDINATE DELIVERY SCHEDULES OF ALL REQUIRED EQUIPMENT/MATERIAL

Kitting

Monitor PY / SOS, adherence to milestones IRT

- **Tasking of material requisitioning**
- **4720/3s Required delivery dates (RDD) vs. estimated delivery dates (EDD)**
- **Timely ship-out of kitted material to the NSA, in preparation of the A-30 material transition**

Task PY / SOS to provide status reports indicating procurement, availability, and delivery of all equipment/material in support of the ship's scheduled availability

Request shipping documentation for tracking HSC equipment and ensure all receiving parties are notified of HSC equipment arrival

Coordinate HSC delivery dates to the PY and/or NSA

Coordinate with NSA to receive drop ship HSC equipment

Submit task planning sheets for kitting program funding and management

Availability Support

MONITOR EQUIPMENT/MATERIAL SHIPMENT THROUGH RECEIPT TO THE INSTALLING ACTIVITY

Interface with PY, SOS, NSA, shipyard and/or contractor to ensure an efficient material transition at A- 30 days prior to SOA

Interface with PEO Ships availability managers

Resolve emergent material problems in a timely manner to support availability industrial periods

Material Transition

- **At A-30 days the kitted equipment/material is turned over to the installing activity, with any addenda and RLAR documentation**
- **At this time all the kitted equipment/material and the HSC equipment/material shipped directly to NSA, is inventoried by the planning SOS and receiving parties (SY, NSA, KTR)**
- **Any shortages/discrepancies are noted on the transition A-2 4720/3. Copies of this document, along with updated shortage reports (that include estimated delivery dates), are provided to FC12, NSA, and KTR**
- **All shortages are expedited and tracked until, all items are received by the installing activity**

Summary

- ***What I Do:***
  - **Coordinate the delivery of all title “K” SHIPALT material required to support CNO-sponsored availabilities**
  - **Provide a composite material status to all concerned parties**
  - **Trouble Shoot in the Advanced Planning and Execution Phases**

- ***What I Need:***
  - **Material Verification (4720/3 review and validation)**
  - **Entry of PARM material into NDE dictionary**
  - **PARM provide accurate scheduling information in NDE**
  - **Enter accurate BEDD Data**